

In actual fact, the last cartridge will at that time be pushed by the false cartridge 61 to the position as shown in FIG. 17, any following angular movement of the false cartridge 61 being stopped by the presence of the hollow area 51 in the bottom side 44 of skew 42.

The constituent parts of the magazine according to the invention, except for the spring 54 and possibly of the false cartridges 60, 61 will be preferably made in an anti abrasion and auto lubricating material, for instance impact polycarbonate.

It is obvious that numerous changes can be made to previously described example without leaving the scope of present invention.

I claim:

1. A longitudinal magazine for individual weapons such as guns, of a type that can be mounted on an upper part of the weapon extending parallel to a longitudinal axis of the weapon, comprising: a first storage part (3) formed by a tube in which cartridges (5) are stored with their longitudinal axes generally perpendicular to a longitudinal axis of the magazine (2); a second transfer part (4) comprising a transfer element (34) defining on both sides oblong parts (32-46), having two skews (41-42) extending over an angle of 90 degrees, one of the ports (32) constituting the connection between storage part (3) and transfer part (4) while the other port (46) constitutes the connection between the transfer part (4) and the weapon (1) with which the magazine (2) cooperates; and, biasing means (54) inside the storage part (3) for transferring the cartridges (5) from the storage part, through the transfer part and into the weapon.

2. A magazine according to claim 1, wherein the first storage part (3) comprises a tube having walls with rectangular transverse cross section (6, 7, 8 and 9), whose internal height is slightly smaller than twice the external diameter of a cartridge (5) and whose internal width is slightly bigger than the length of a cartridge (5), a rear extremity (10) of storage part (3) consisting of a wall (12).

3. A magazine according to claim 1, wherein the first storage part (3) comprises a tube with walls defining a rectangular transverse cross section (6, 7, 8 and 9), whose interior sides (17, 18, 19 and 20) have at least two guiding ribs, respectively (21, 22, 23 and 24) forming guiding elements for the cartridges (5), the distance between upper and lower ribs (21-22) of the magazine being slightly less than twice the diameter of a cartridge (5) while the distance between lateral ribs (23-24) of the magazine is slightly bigger than the length of the cartridge (5), a rear extremity (10) of the storage part (3) consisting of a wall (12).

4. A magazine according to claim 2 wherein the rear extremity wall (12) is fixed to the storage part.

5. A magazine according to claim 2 wherein the rear extremity wall (12) is removable from the storage part.

6. A magazine according to claim 3 further comprising a wall projecting from a side (35) provided on aforementioned storage part (3), to accommodate the transfer element (34).

7. A magazine according to claim 6 wherein the interior sides (17-18) and the guiding ribs (21-22) extend to a first port (32) extending between the transfer element (34) and the storage part.

8. A magazine according to claim 7, wherein a first side (17), and its associated guiding ribs (21), form a

curved guiding surface (31) defining one side of the aforementioned first port (32).

9. A magazine according to claim 8 wherein a second side (18), and its associated guiding ribs (22) form a skewed surface (25) having an extension (26) defining a second side of the aforementioned first port (32).

10. A magazine according to claim 9 wherein a perpendicular distance between the first side (17) and the extension (26) respectively measured between the guiding ribs formed on the first and second side, side at the location of the extension is slightly bigger than the external diameter of a cartridge (5).

11. A magazine according to claim 7 wherein the first port (32) communicates with two descending skews (41-42), each delimited by two helical planes, extending over 90 degrees which, in turn, communicate with a second port (46) aligned with the longitudinal axis of the magazine.

12. A magazine according to claim 11 wherein the wall projecting from the side (35) of the storage part defines two diametrically opposed notches (52-53) extending generally parallel to an axis of second port (46).

13. A magazine according to claim 2 wherein the second port (46) has longitudinal sides having areas with reduced lateral dimensions.

14. A magazine according to claim 13, wherein the areas of reduced lateral dimension (47-48) are located at an extremity of the second port (46) adjacent a barrel of the weapon (1) their length being of only a few millimetres.

15. A magazine according to claim 13, wherein the areas of reduced lateral dimension (49-50) are located at a farthest extremity of the second port from a barrel of the weapon (1) their length being approximately one third of the second port's (46) length.

16. A magazine according to claim 2, wherein the biasing means (54) urging the cartridge's (5) transfer from the magazine (2) comprises a spring having a rear end resting on rear extremity wall (12) and a front end resting on a pushing element (56) for the cartridges (5).

17. A magazine according to claim 16, wherein the pushing element (56) comprises a central part (57) and two lateral rims (58-59) cooperating with the cartridges (5) for the transport through the magazine (2).

18. A magazine according to claim 17 wherein the lateral rims (58-59) form a rectangular trapezium having a curved side facing towards the cartridges (5), a large base of the trapezium being adjacent to an upper side (6) of the magazine tube and the height of the pushing device being slightly smaller than the distance between the walls (6-7), defining the magazine tube.

19. A magazine according to claim 18 further comprising at least one false cartridge (60-61) placed between the cartridges (5) and the pushing element (56).

20. A magazine according to claim 19, wherein each false cartridge is formed by a cylindrical rod having at least two cylindrical shoulders (62-63-64).

21. A magazine according to claim 20 wherein one of the shoulders (62-63-64) has a diameter approximately equal to an external diameter of a cartridge (5).

22. A magazine according to claim 21 further comprising means associated with the transfer element (34) to stop the false cartridge when the magazine (2) is empty.

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